

=&gt; d ibib abs l6 1-1

L6 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2002:833331 HCAPLUS  
DOCUMENT NUMBER: 137:329514  
TITLE: **Bone grafting materials comprising  
bioactive glass fibers**  
INVENTOR(S): **Pirhonen, Eija Marjut**  
PATENT ASSIGNEE(S): Finland  
SOURCE: U.S. Pat. Appl. Publ., 9 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002160175	A1	20021031	US 2001-981676	20011016
FI 2001000873	A	20021027	FI 2001-873	20010426
WO 2002087647	A1	20021107	WO 2002-FI351	20020425
WO 2002087647	C1	20030724		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: FI 2001-873 A 20010426  
US 2001-981676 A 20011016

AB The present invention relates to porous bone filling materials prepared by sintering bioactive glass fibers in order to achieve a three dimensional block with interconnecting porosity. Due to the osteoconductive properties the bioactive glass fibers, in block form are an ideal scaffold for new tissue (e.g. bone or cartilage) formation to occur. The manufacturing parameters can be adjusted to achieve porosities as high as 90 vol-%, or the manufacturing parameters can be adjusted to prepare strong porous blocks useful in load bearing application.